What is claimed is:

1	1.	A computer for use in a pervasive computing system, comprising:
2		a wireless detector operable for detecting identifications from one or
3		more other computers;
4		a central processing unit coupled to the wireless detector; and
5		a memory coupled to the central processing unit such that in operation
6		the memory stores log entries for selected ones of the identifications and
7		further such that in operation the central processing unit of the computer
8		recognizes an event based upon a pattern recognition algorithm that
9		evaluates the log entries.

- 1 2. The computer of claim 1 wherein the event is a reminder event.
- 1 3. The computer of claim 1 wherein the event notifies a caregiver of a status of a patient.
- 1 4. The computer of claim 1 wherein the pattern recognition algorithm operates 2 based on a sequence of the identifications.
- 1 5. The computer of claim 1 wherein at least one log entry includes a timestamp 2 for indicating the time at which the corresponding identification is received.
- 1 6. The computer of claim 5 wherein the pattern recognition algorithm operates 2 based on timestamps for the identifications.
- The computer of claim 1 further comprising an output device coupled to the central processing unit such that in operation the central processing unit activates the output device upon recognizing the event and the output device provides an output signal to a user.
- 1 8. The computer of claim 1 further comprising an input device coupled to the
- 1 8. The computer of claim 1 further comprising an input device coupled to the 2 central processing unit such that in operation the user acknowledges receipt of the 3 output signal via the input device.

- 1 9. The computer of claim 1 wherein in operation the central processing unit
- 2 notifies one or more of the other computers upon the central processing unit
- 3 recognizing the event.
- 1 10. The computer of claim 1 further comprising a base computer such that in
- 2 operation the mobile computer occasionally transfers the log entries to the base
- 3 computer.
- 1 11. The computer of claim 1 further comprising a set of pattern recognition
- 2 algorithms.
- 1 12. The computer of claim 11 wherein in response to the event being recognized,
- 2 the mobile computer modifies the set of pattern recognition algorithms.
- 1 13. The computer of claim 11 wherein in the computer is mobile.
- 1 14. The computer of claim 11 wherein in the computer is immobile.
- 1 15. A pervasive computing system comprising:
- a small computer, including a wireless detector operable for detecting
- 3 identifications from one or more other small computers, a central
- 4 processing unit coupled to the wireless detector, and a memory coupled to
- 5 the central processing unit such that in operation the memory stores log
- 6 entries for the identifications; and
- 7 a base computer such that in operation at least one of the small
- 8 computers occasionally transfers the log entries to the base computer.
- 1 16. The pervasive computing system of claim 15 wherein the base computer
- 2 performs a data mining operation on the log entries.
- 1 17. The pervasive computing system of claim 15 wherein the central processing
- 2 unit of a first small computer recognizes an event based upon a pattern recognition
- 3 algorithm that evaluates the log entries.

- 1 18. The pervasive computing system of claim 17 wherein the event is a reminder
- 2 event.
- 1 19. The pervasive computing system of claim 17 wherein the event notifies a
- 2 caregiver of a status of a patient.
- 1 20. A pervasive computing system comprising a plurality of small computers,
- 2 each small computer comprising:
- at least one of: a wireless emitter for emitting an identification over
- 4 time; and a wireless receiver for detecting identifications emitted by others
- 5 of the plurality of small computers over time;
- 6 a central processing unit coupled to the at least one of the wireless
- 7 emitter and the wireless detector; and
- 8 a memory coupled to the central processing unit such that in operation
- 9 the memory stores log entries for the detected identifications and further
- such that in operation the central processing unit of a first small computer
- recognizes an event based upon a pattern recognition algorithm that
- evaluates the log entries.
- 1 21. The pervasive computing system of claim 20 wherein the event is a reminder
- 2 event.
- 1 22. The pervasive computing system of claim 20 wherein the event notifies a
- 2 caregiver of a status of a patient.
- 1 23. The pervasive computing system of claim 20 wherein the pattern recognition
- 2 algorithm operates based on a sequence of the identifications.
- 1 24. The pervasive computing system of claim 20 wherein at least one log entry
- 2 includes a timestamp for indicating the time at which the corresponding identification
- 3 is received.
- 1 25. The pervasive computing system of claim 24 wherein the pattern recognition

- 2 algorithm operates based on timestamps for the identifications.
- 1 26. The pervasive computing system of claim 20 wherein the first small computer
- 2 further comprises an output device coupled to the central processing unit such that in
- 3 operation the central processing unit activates the output device upon recognizing the
- 4 event and the output device provides an output signal to a user.
- 1 27. The pervasive computing system of claim 20 further comprising a base
- 2 computer such that in operation the first small computer occasionally transfers the log
- 3 entries to the base computer.
- 1 28. A method for a pervasive computer system comprising the steps of:
- 2 receiving identifications over time;
- making a log entry for selected ones of the identifications;
- 4 running a pattern recognition algorithm on the log entries which
- 5 recognizes a event; and
- 6 notifying a person of the event.
- 1 29. The method of claim 28 wherein the pattern recognition algorithm operates
- 2 based on a sequence of the identifications.
- 1 30. The method of claim 28 wherein at least one log entry includes a timestamp
- 2 for indicating the time at which the corresponding identification is received.
- 1 31. The method of claim 28 wherein the pattern recognition algorithm operates
- 2 based on timestamps for the identifications.
- 1 32. The method of claim 28 further transferring the log entries to the base
- 2 computer.
- 1 33. The method of claim 28 wherein the event is a reminder event.
- 1 34. The method of claim 28 wherein a plurality of small computers provide the
- 2 identifications.

- 1 35. The method of claim 34 wherein at least some of the plurality of small
- 2 computers are located at various places.
- 1 36. The method of claim 34 wherein at least one of the plurality of small
- 2 computers is attached to a thing.
- 1 37. The method of claim 36 wherein the step of running the pattern recognition
- 2 algorithm determines that the thing was taken by the person from the first place to the
- 3 second place, that later the person left the second place without the thing, and that
- 4 leaving the second place without the thing comprises the reminder event.
- 1 38. The method of claim 36 wherein the step of running the pattern recognition
- 2 algorithm determines that the person left the first place and arrived at the second place
- 3 without the thing and that arriving at the second place without the thing comprises the
- 4 reminder event.
- 1 39. The method of claim 28 wherein the event notifies a caregiver of a status of a
- 2 patient.
- 1 40. The method of claim 39 wherein a first small computer worn by the patient
- 2 receives the identifications.
- 1 41. The method of claim 40 wherein a plurality of second small computers
- 2 provide the identifications and further wherein the plurality of second small
- 3 computers are located at various places within an environment for the patient.
- 1 42. A computer readable memory comprising computer code for implementing a
- 2 method of reminding a person upon a lapse of human memory, the method of
- 3 reminding the person upon the lapse of human memory comprising the steps of:
- 4 receiving identifications over time;
- 5 making a log entry for selected ones of the identifications;
- 6 running a pattern recognition algorithm on the log entries which
- 7 recognizes a event; and

8	notifying a person of the event.	
1	43. A method of employing a network of first small computers to monitor a	
2	patient comprising the steps of:	
3	receiving identifications at a second small computer worn by the	
4	patient, the identifications indicating location of the patient over time;	
5	issuing a timestamp for at least some of the identifications, thereby	
6	forming timestamp-identification pairs;	
7	making a log entry for at least some of the timestamp-identification	
8	pairs;	
9	running a pattern recognition algorithm on the log entries which	
10	recognizes a notification event; and	
11	notifying a caregiver of the notification event.	
1	44. A computer readable memory comprising computer code for implementing a	
2	method of monitoring a patient by a caregiver, the method comprising the steps of:	
3	receiving identifications at a second small computer worn by the	
4	patient, the identifications indicating location of the patient over time;	
5	issuing a timestamp for at least some of the identifications, thereby	
6	forming timestamp-identification pairs;	
7	making a log entry for at least some of the timestamp-identification	
8	pairs;	
9	running a pattern recognition algorithm on the log entries which	
10	recognizes a notification event; and	
11	notifying a caregiver of the notification event.	